

B/1725

**PATENT** 

### N THE UNITED STATES PATENT AND TRADEMARK OFFICE

## In re Application of:

Frank L. Hall

Serial No.: 09/863,676

**Filed:** May 21, 2001

For: METHODS FOR PREPARING BALL GRID ARRAY SUBSTRATES VIA USE OF

A LASER

Confirmation No.: 1281

Examiner: S. Heinrich

**Group Art Unit: 1725** 

Attorney Docket No.: 2269-4718US

(00-0316.00/US)

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 25, 2005

Leta M. Howard

Name (Type/Print)

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08A be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a). The listed documents were cited by the Office in co-pending application Serial No. 10/791,194 filed on March 2, 2004, and directed to a related invention.

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information

Disclosure Statement is not to be construed as a representation that a search has been made or an

admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

# U.S. Patent Documents

U.S. Patent No.	<b>Publication Date</b>	<u>Patentee</u>
US - 4,746,390	05/1988	Badalec et al.
US - 6,670,222	12/2003	Brodsky
US - 2003/0003688	01/2003	Tandy et al.

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application.

Respectfully submitted,

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Date: March 25, 2005

JRD/djp:lmh

Enclosures: Form PTO/SB/08A

Copy of documents cited

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO				Complete if Known			
INFO	RMATION	DI	SCLOSURE	Application Number	09/863,676		
STATEMENT BY APPLICANT				Filing Date	May 21, 2001		
			I I LICINII	First Named Inventor	Frank L. Hall		
				Group Art Unit	1725		
	(use as many she	ets as	necessary)	Examiner Name	S. Heinrich		
Sheet	1	of	1	Attorney Docket Number	2269-4718US (00-0316.00/US)		

U.S. PATENT DOCUMENTS					
Examiner Cite Initials • No. 1		Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		Passages or Relevant Figures Appear	
		US-4,746,390	05/1988	Badalec et al.	
		US- 6,670,222	12/2003	Brodsky	
		US- 2003/0003688	01/2003	Tandy et al.	
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	FOREIGN PATENT DOCUMENTS					
Examiner	Examiner Cite	Foreign Patent Document	B.U B.	Name of Patentee or	Pages, Columns, Lines,	T <sup>6</sup>
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.